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Please replace the Abstract with the following:

COMPUTATIONALLY EFFICIENT MEANS FOR OPTIMAL CONTROL WITH CONTROL CONSTRAINTS

ABSTRACT

A method and system that reduces undesired vibration in a vehicle measures ambient vibration and generates a first command signal based upon the measured vibration. If a first component of the first command signal exceeds a maximum allowable, the first component of the first command signal must be constrained. A residual vibration resulting from the constraint of the first component is then calculated. A second command signal to compensate for ~~said~~ the residual vibration is then calculated. Force generators are then activated based upon the constrained first component and the second command signal in order to reduce the vibration.